

DUSTIN ENGLE

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SUMMARY

I am an experienced agile blockchain and full-stack software developer with a primary focus on blockchain based solutions and decentralized applications. With a proven track record of delivery, I believe in quality, usability, and stability.

EXPERIENCE

Bulwark Cryptocurrency - *Blockchain/Full-Stack Developer* Jan. 2018 - Present (*Remote*)

- As a blockchain development lead, my experience ranges from proof-of-work and proof-of-stake algorithms, hashing and other cryptography algorithms, sporks, governance, hard/soft forks, quality assurance, zerocoin, TOR/I2P, and database systems (LevelDB, IFPS, etc.) in C, C++, Go and Python.
- As the lead on the new blockchain explorer, I managed guest developers tasks, provided code reviews, interacted with the design team to deliver on vision, architected the system utilizing JavaScript full-stack (Node.js, Express, Mongoose/MongoDB, React, Redux, SASS), and provide overall management of the open source project.
- Lead developer for BWK-Dash which provides an interface to Bulwark' Secure Home Nodes that run a hardened masternode version on an IoT device in Go, React, and using SQLite for a database.
- Provide guidance, management, and participate in research of all open source and hardware projects.
- Function as a product owner, scrum master, and developer in Scrum teams.

Tagrem - *Full-Stack/Software Developer* May 2016 - Jan. 2018 (*Remote*)

- Constructed entire framework of React components including forms with validation, fetch request buffering, client side caching, and redux async script automation.
- As a team lead, worked in conjunction with designers and developers to deliver high traffic multi-tenant systems in Angular (Angular Material, Bootstrap) and React (Redux, React Router, Redux Thunk, WhatWG Fetch).
- Setup and configured CI (Jenkins), Git repository system (GitLab) and integrated with issue tracking (JIRA) and chat system (Slack).
- Setup and configured project build and deployment processes utilizing Gulp, Webpack, Jenkins, Webhooks and Bash.
- Lead code reviews with development team, participated in daily scrums and assisted in training of new team members.
- Wrote Java file migration script with PostgreSQL and binary image uploading.

Bill People - *Software Engineer/Architect* Feb. 2014 - May 2016 (*Remote*)

- Engineered a real-time automated support call center system (Node, Meteor, MongoDB, Handlebars, Mustache) with connectivity to Asterisk/AMI, billing software (Node, Microsoft SQL), MikroTik WiFi access points (Node) and email (Node - POP3, SMTP).
- Designed and developed a mobile app (PhoneGap, Ionic, SQLite) for remote technicians to interface with the Bill People support system API. App includes push notifications, local caching, photo taking, online/offline connectivity handling, image uploading, and geo-fencing for technician check-ins.

Schat Communications - Software Developer

Jan. 2013 - Jan. 2014 (*Bishop, CA*)

- Developed restaurant drawer closeout system (PHP, MySQL, MVC) with reporting and a DSL (Domain Specific Language) for custom validation and reporting workflows.
- Converted server data center (Microsoft SQL, Exchange, Active Directory, IIS) to a linux based virtualized infrastructure (CentOS, ProxMox, KVM) and setup a backup system (ProxMox, NFS).
- Created migration scripts and automated system (Python) for converting from one support system (Rodopi) to another support system (Deskpro).
- Developed several WordPress and Joomla sites for customers of the ISP.
- Made a WordPress (PHP, MySQL) plugin to handle updating and minor geolocation functions for ISP gateways and access points.
- Developed a CMS in ColdFusion for local mountain engineering guide company.
- Built a custom online store (PHP, MySQL) that interfaced with PayPal for payment handling. MVC framework (PHP) was custom built by me for this project.
- Helped a local real estate company by developing an online property manage system (PHP, MySQL) with MLS integration using the CodeIgniter framework.

Earlier history available upon request.

REFERENCES

References available upon request.